

62310\_Seq\_Listing.txt  
SEQUENCE LISTING

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<120> METHODS FOR THE DETECTION OF NUCLEIC ACID DIFFERENCES

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<140> 10/590,541  
<141> 2006-08-25

<150> PCT/US05/09391  
<151> 2005-03-22

<150> 60/619,817  
<151> 2004-10-18

<150> 60/555,167  
<151> 2004-03-22

<160> 67

<170> PatentIn version 3.5

<210> 1  
<211> 36  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
primer

<400> 1  
gtaaaaacgac ggccagggag agaggcctgc tggaaa

36

<210> 2  
<211> 37  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
primer

<400> 2  
cagaaaaacag ctatgacttg gatcatattc gtccaca

37

<210> 3  
<211> 66  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
oligonucleotide

<400> 3  
actgtaaaaac gacggccagt gttccccctca aactggcaga tgcacgcttg tggtagttgg

60

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agctgt	66
<210> 4	
<211> 66	
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<220>	
<223> Description of Artificial Sequence: Synthetic	
oligonucleotide	
<400> 4	
actgtaaaac gacggccagt gttccctca aactggcaga tgcacgcttg tggtagttgg	60
agctga	66
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<211> 67	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: Synthetic	
oligonucleotide	
<400> 5	
actgtaaaac gacggccagt gttccctca aactggcaga tgcacgaact tgtggtagtt	60
ggagttc	67
<210> 6	
<211> 65	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: Synthetic	
oligonucleotide	
<400> 6	
actgtaaaac gacggccagt gtcgtattac cgccggctgct ggcaccttgtt ggtagttggaa	60
gctgg	65
<210> 7	
<211> 40	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: Synthetic	
oligonucleotide	
<400> 7	
tggcgtaggc aagagtgccct ggtcatagct gttccctgca	40
<210> 8	

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<211> 41  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
oligonucleotide

<400> 8  
gtggcgtagg caagagtgcc tggtcatagc tgttccctgc a

41

<210> 9  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
primer

<400> 9  
ctgtaaaacg acggccagtg

20

<210> 10  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
primer

<400> 10  
tgcaggaaac agctatgacc a

21

<210> 11  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
probe

<400> 11  
tccccctcaaa ctggcagatg cacg

24

<210> 12  
<211> 23  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
probe

<400> 12  
cgtattacccg cggctgctgg cac

23

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<210> 13  
<211> 63  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 13  
actgtaaaac gacggccagt gtcgtattac cgccgctgct ggcacgaaca gctttgaggt 60  
aca 63

<210> 14  
<211> 42  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 14  
tgtttgcgtcc tggcgtggaa gtggcatag ctgtttccctg ca 42

<210> 15  
<211> 65  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 15  
actgtaaaac gacggccagt gttcccctca aactggcaga tgcacgcgca gggttaaaaa 60  
aggac 65

<210> 16  
<211> 65  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 16  
actgtaaaac gacggccagt gttcccctca aactggcaga tgcacgcgca gggttaaaaa 60  
aggaa 65

<210> 17  
<211> 49  
<212> DNA  
<213> Artificial Sequence

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<220>  
<223> Description of Artificial Sequence: Synthetic  
oligonucleotide

<400> 17  
aaatcagtaa cagtactgga tgtgggtgt gtcatacgct tttcctgca 49

<210> 18  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
primer

<400> 18  
ggagagaggc ctgctgaaaa 20

<210> 19  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
primer

<400> 19  
aatgattctcg aattagctgt atcgtca 27

<210> 20  
<211> 26  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
primer

<400> 20  
atatataaact tgtggtagtt ggacct 26

<210> 21  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
primer

<400> 21  
tcaaagacaa ggcgatatgc t 21

<210> 22  
<211> 20

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<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic primer

<400> 22  
ccctgacata ctcccaagga 20

<210> 23  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic primer

<400> 23  
gaacctccga gatcgaaga 19

<210> 24  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic primer

<400> 24  
gcactgcctc tgttaattgt 20

<210> 25  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic primer

<400> 25  
agacttctgg gaagttcaat 20

<210> 26  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic primer

<400> 26  
tgtagaaaaat tagtagattt 20

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<210> 27  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic primer

<400> 27 atccctgggt aaatctgact 20

<210> 28  
<211> 80  
<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 28 actgtaaaaac gacggccagt gttccctca aactggcaga tgcacgagga ataccacatc 60  
cagcaggct aaaaaaggac 80

<210> 29  
<211> 49  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 29 aaatcagtaa cagtactaga tgtgggggtg gtcatacgctg tttcctgca 49

<210> 30  
<211> 80  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 30 actgtaaaaac gacggccagt gttccctca aactggcaga tgcacgagga ataccacatc 60  
ctgcaggct aaaaaaggac 80

<210> 31  
<211> 49  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic

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oligonucleotide

<400> 31  
 aaatcagtaa cagtactgga tgtgggtgt gtcatacgctg tttccctgca

49

<210> 32  
 <211> 47  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 32  
 cgcagggtta aaaaagaaaa aatcagtaac agtactggat gtgggtg

47

<210> 33  
 <211> 47  
 <212> DNA  
 <213> Human immunodeficiency virus type 1

<400> 33  
 cgcagggtta aaaaaggaaa aatcagtaac agtactggat gtgggtg

47

<210> 34  
 <211> 47  
 <212> DNA  
 <213> Human immunodeficiency virus type 1

<400> 34  
 cgcagggtta aaaaagaaca agtcagtaac matactggat gtgggtg

47

<210> 35  
 <211> 47  
 <212> DNA  
 <213> Human immunodeficiency virus type 1

<400> 35  
 ygcaaggtrtta aaaaagaaaa aatcagtaac agtactrgat gtgggtg

47

<210> 36  
 <211> 47  
 <212> DNA  
 <213> Human immunodeficiency virus type 1

<400> 36  
 cgcagggtta aaraagaara artcagtaac agtwctggat gtgggtg

47

<210> 37  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

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<400> 37  
cgatctctaa cgcgcaagcg 20

<210> 38  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 38  
cgatttttaa cgcgtaagcg 20

<210> 39  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 39  
cgcttacgcg taaaaatcg 20

<210> 40  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 40  
tgatTTTAA tgTGTaaGTG 20

<210> 41  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 41  
tagttggacc tgatggcgta ggca 24

<210> 42  
<211> 62  
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<213> Artificial Sequence

<220>

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<223> Description of Artificial Sequence: Synthetic  
oligonucleotide

<400> 42		
aggaaataccg catccagcag gttaaaaaaaaa gaacaaatca gtaacagtac tagatgtggg	60	
gg	62	
<210> 43		
<211> 62		
<212> DNA		
<213> Human immunodeficiency virus type 1		
<400> 43		
aggaaatacca catccagcag gtctaaaaaaaaa ggacaaatca gtaacagtac tagatgtggg	60	
gg	62	
<210> 44		
<211> 62		
<212> DNA		
<213> Human immunodeficiency virus type 1		
<400> 44		
aggaaatacca catccagcag gtctaaaaaaaaa gaacaaatca gtaacagtac tagatgtggg	60	
gg	62	
<210> 45		
<211> 62		
<212> DNA		
<213> Human immunodeficiency virus type 1		
<400> 45		
aggaaataccg caccctgcag gttaaaaaaaaa gaacaaatca gtaacagtac tagatgtggg	60	
gg	62	
<210> 46		
<211> 62		
<212> DNA		
<213> Human immunodeficiency virus type 1		
<400> 46		
aggaaataccg catccagcgg gcctaaaaaaaaa gaacaaatca gtaacagtac tagatgtggg	60	
gg	62	
<210> 47		
<211> 62		
<212> DNA		
<213> Human immunodeficiency virus type 1		
<400> 47		
aggaaatacca catccagcgg gctaaaaaaaaa gaacaaatca gtaacagtac tagatgtggg	60	
gg	62	

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<210> 48  
<211> 62  
<212> DNA  
<213> Human immunodeficiency virus type 1

<400> 48  
aggaaataccca catcctgcag ggctaaaaaaaaaa gaacaaatca gtaacagtac tggatgtggg 60  
gg 62

<210> 49  
<211> 62  
<212> DNA  
<213> Human immunodeficiency virus type 1

<400> 49  
aggaaatacccg catccagcgg gcctaaaaaaaaaa gaamaaaatca gtaacagtac tagatgtggg 60  
gg 62

<210> 50  
<211> 62  
<212> DNA  
<213> Human immunodeficiency virus type 1

<400> 50  
aggaaataccg catcccgcag gttaaaaaaaaaa gaamaaaatca gtaacagtac tggatgtggg 60  
gg 62

<210> 51  
<211> 62  
<212> DNA  
<213> Human immunodeficiency virus type 1

<400> 51  
aggaaataccg catccagcgg gctaaaaaaaaaa gaamaaaatca gtaacagtac tagatgttagg 60  
gg 62

<210> 52  
<211> 62  
<212> DNA  
<213> Human immunodeficiency virus type 1

<400> 52  
aggaaataccg catcccgcag gttaaaaaaaaaa gaaaaaatca gtaacagtac tagatgtggg 60  
gg 62

<210> 53  
<211> 62  
<212> DNA  
<213> Human immunodeficiency virus type 1

<400> 53  
aggaaataccg catcccgcag gttaaaaaaaaaa gaacaaatca gtaacagtgc tagatgtggg 60

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gg	62
<210> 54	
<211> 62	
<212> DNA	
<213> Artificial Sequence	
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oligonucleotide	
<400> 54	
aggaaatcca catcctgcag ggctaaaaaaaaaa gaacaaatca gtaacagtac tggatgtggg	60
tg	62
<210> 55	
<211> 62	
<212> DNA	
<213> Human immunodeficiency virus type 1	
<400> 55	
aggaaatcca catcctgcag ggctaaaaaaaaaa ggacaaatca gtaacagtac tggatgtggg	60
tg	62
<210> 56	
<211> 62	
<212> DNA	
<213> Human immunodeficiency virus type 1	
<400> 56	
aggaaatcca catcctgcag ggctaaaaaaaaaa gaacaaatca gtaacagtac tggatgtggg	60
tg	62
<210> 57	
<211> 62	
<212> DNA	
<213> Human immunodeficiency virus type 1	
<400> 57	
aggaaatcca catcctgcag ggctaaaaaaaaaa gaacaaatca gtaacagtac tagatgtggg	60
tg	62
<210> 58	
<211> 62	
<212> DNA	
<213> Human immunodeficiency virus type 1	
<400> 58	
agggatacca catccagcag ggctaaaaaaaaaa gaacaaatca gtaacagtac tggatgtggg	60
tg	62

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<210> 59  
<211> 62  
<212> DNA  
<213> Human immunodeficiency virus type 1

<400> 59  
agaataatccr catcctgcag ggctaaaaaaaaaa gaamaaatca gtaacagtac tggatgtggg 60  
tg 62

<210> 60  
<211> 62  
<212> DNA  
<213> Human immunodeficiency virus type 1

<400> 60  
aggatataccg catcctgcag ggctaaaaaaaaaa gaahaaatca gtaacagtac tggatgtggg 60  
tg 62

<210> 61  
<211> 62  
<212> DNA  
<213> Human immunodeficiency virus type 1

<400> 61  
agaataatcca catcctgcag ggctaaaaaaaaaa gaamaaatca gtaacagtac tggatgtggg 60  
tg 62

<210> 62  
<211> 62  
<212> DNA  
<213> Human immunodeficiency virus type 1

<400> 62  
agaataatcca catcctgcag gactaaaaaaaaaa gaamaaatca gtaacagtac tggatgtggg 60  
tg 62

<210> 63  
<211> 62  
<212> DNA  
<213> Human immunodeficiency virus type 1

<400> 63  
agaataatcca catcctgcag ggytaaaaaaaaaa gaahaaatca gtaacagtwc tggatgtggg 60  
tg 62

<210> 64  
<211> 62  
<212> DNA  
<213> Human immunodeficiency virus type 1

<400> 64  
agaataatcca catcctgcag ggctgaaaaaa gaaaaaatca gtaacartac tggatgtggg 60

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tg

62

<210> 65  
<211> 62  
<212> DNA  
<213> Human immunodeficiency virus type 1

<400> 65  
aggaaataccatcctgcag ggctaaaaaaaaaa gaaaaaatca gtaacagtac tggatgtggg

60

tg

62

<210> 66  
<211> 62  
<212> DNA  
<213> Human immunodeficiency virus type 1

<400> 66  
aggaaataccatcctgcag ggctaaaaaaaaaa gaawaaaatca gtaacagtac tggatgtggg

60

tg

62

<210> 67  
<211> 62  
<212> DNA  
<213> Human immunodeficiency virus type 1

<400> 67  
aggaaataccatcctgcag ggctaaaaaaaaaa gaaaaaatca gtaacagtac tggatgtggg

60

tg

62